Global Change Data Center (GCDC) Overview

Stephen Wharton April 28, 2009

What We Do

Purpose:

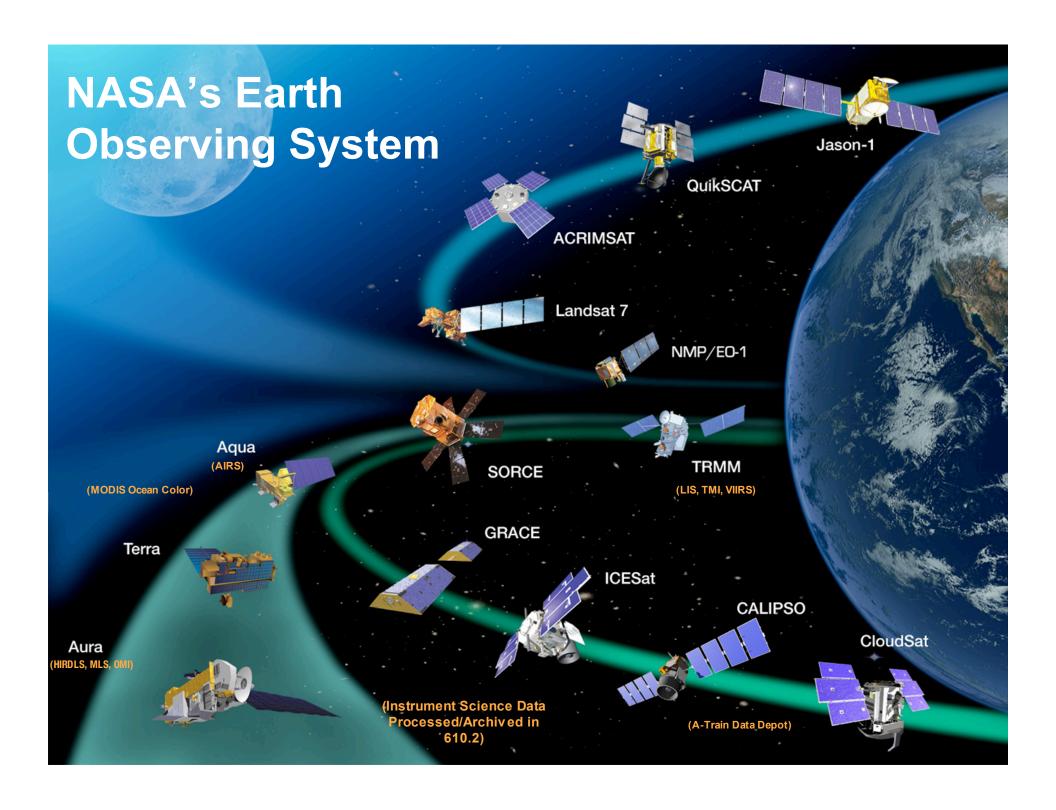
□ Provide systems, products, and information management services to maximize availability and utility of NASA's Earth science data.

Objectives:

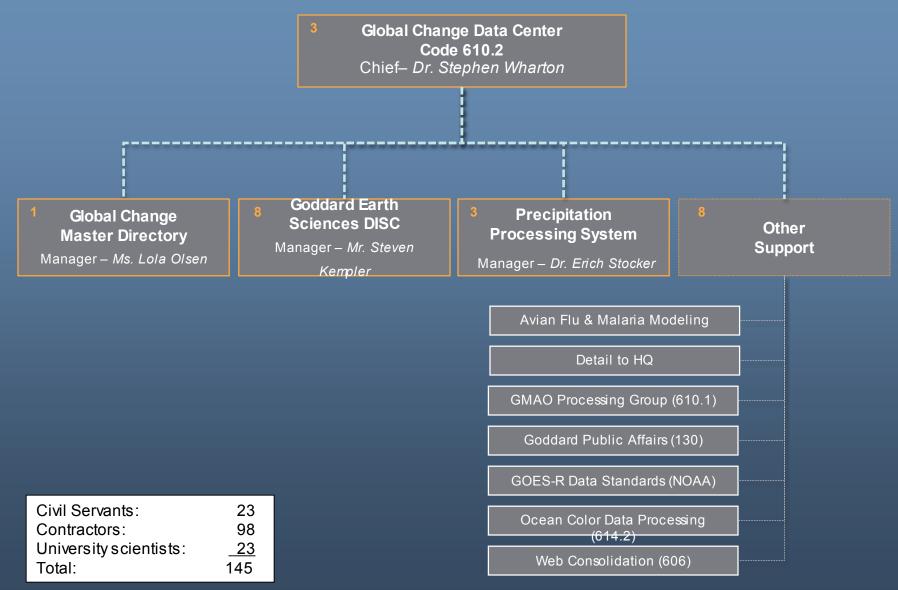
- □ Build and operate science data and information systems in support of Earth Science missions and research.
- □ Provide value-added products and services to facilitate utilization of ESE data and information.
- □ Engage with community to develop standards, promote wider data access and improve data utility.
- □ Support external groups by providing expertise in data systems management, operations, interfaces and standards.

Mission Support:

- □ AQUA (AIRS, MODIS Ocean Color), AURA (HIRDLS, MLS, OMI), SORCE, SeaWiFS, TERRA (MODIS Ocean Color), TRMM (LIS, TMI, VIRS), TOMS, TOVS, UARS, LIMS, MSU, GEOS-5, MERRA, GLDAS, A-Train subsets, CZCS, OCTS
- □ Future Missions: Glory, GPM.



Global Change Data Center



Earth Sciences Division

Earth Sciences Division. Code 610 Global Modeling & Assimilation Office Director - Dr. Franco Einaudi Software Integration & Visualization Code 610.1 Office Deputy Director – *Dr. Dorothy Zukor* Head – Dr. Michele Rienecker Code 610.3 Assistant Director for Ops – *Jack* Acting Head - Tom Clune Richards Chief Scientist - Dr. Mark Schoeberl **Global Change Data Center** Office of Applied Sciences Chief Engineer – Robert Connerton Code 610.2 Code 610.4 EOS Project Scientist – Dr. Steven Chief - Dr. Stephen Wharton Chief - Dr. Shahid Habib (Acting) Hydrospheric and Biospheric Goddard Institute for **Laboratory for Atmospheres Sciences Laboratory Space Studies Code 613 Code 614 Code 611** Chief - Dr. William Lau Acting Chief – *Dr. Dorothy Zukor* Chief - Dr. James Hansen Climate and Mesoscale Hydrological Ocean Cryospheric Radiation **Atmospheric** Sciences Sciences Sciences **Processes** Branch Branch Branch Branch Code 613.2 Branch Code 614.2 Code 614.3 Code 614.1 Code 613.1 Dr. Robert Dr. David Dr. Christa Dr. Thorsten Dr. David Starr Cahalan Adamec Peters-Lidard Markus Civil Servants: 195 **Atmospheric** Biospheric Terrestrial Contractors: 639 nstrumentation

Chemistry and

Dynamics Branch

Code 613.3

Dr. Jose Rodriguez

University scientists:

Total:

Visiting Scientists (GEST):

Visiting Scientists (NPP): 15

215

1067

Sciences

Branch

Code 614.4

Dr. Jon Ranson

Information

Systems

Branch

Code 614.5

Edward

Masuoka

Sciences

Branch

Code 614.6

Dr. John Gerlach